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SOURCE Medycyna Weterynaryjna.CULTIVATION AND USE OF CASTOR BEANS IN POLAND

CONDUCT RESEARCH ON CULTIVATION OF CASTOR BEANS -- Lublin, Medycyna Weterynaryjna,
Vol VII, No 6, Jun 51

On the basis of information gathered from research in 1949 at the Flewiski farm of the Panstwowy Instytut Surowcow Roslinnych (State Institute for Vegetable Raw Materials) in Poznan, and the experiments made in 1950 at the Malyszyn plantation of the PIW (Panstwowy Instytut Weterynaryjny, State Veterinary Institute) in Gorzow Wielkopolski, the following observations have been made on the cultivation of castor beans in Poland.

In the following table, castor beans from the plantation at Izbica (Lublin Wojewodztwo) are compared with castor beans from the plantation at Gorzow Wielkopolski, and with those from India:

<u>Location</u>	<u>Average Weight of 100 Castor Beans (grams)</u>	<u>Oil Content of Castor Beans (%)</u>
Izbica	34.06	69.00
Gorzow Wielkopolski	36.06	60.24
India	45.08	56.00-71.10

The castor bean yield per hectare in Europe is 650 to 800 kilograms, in India from 800 to 1,000 kilograms, and in Poland 900 kilograms (2,700 kilograms were obtained from 3 hectares).

The cultivation of medicinal plants on the plantation of the PIW in Gorzow Wielkopolski was initiated by Docent Kirkor and approved by the Zaklad Produkcji Lekow (Research Laboratory for Drug Production) of the PIW, Gorzow Wielkopolski. Plants suitable for animal therapy were selected for cultivation.

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DISCUSS TOXIC EFFECTS OF CASTOR BEAN -- Lublin, Medycyna Weterynaryjna, Vol VI,
No 10, Oct 50

In view of the wide cultivation in Poland of castor beans for the production of castor oil for pharmaceutical and industrial uses, the Zaklad Farmakologii (Pharmacological Research Laboratory) of the faculty of Veterinary Medicine of Marie Curie-Sklodowska University has made a study of the toxic effects of castor beans on humans, and of oil cakes, used as fodder, on animals. If oil cakes are boiled, the toxic effect is removed and they can be used as fodder for animals. Raw oil cakes and husks of castor beans are used only as a fertilizer, or as a poison for destructive rodents; industrially, they are used to produce lipases.

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